35 East Mammoth Main St, PO Box 190, Eureka UT 84628 435-433-6612

5/023/0106 Wayne 7575

September 16, 2016

Paul B. Baker, Minerals Program Manager
Utah Department of Natural Resources
Division of Oil Gas and Mining
1594 West North Temple, Suite 1210, P.O. Box 145801
SALT LAKE CITY, UTAH 84114-5801

RECEIVED
SEP 2 3 2016

DIV. OF OIL, GAS & MINING

Dear Mr. Baker

Enclosed herewith are various items of "paperwork" that we believe are adequate to support our request to DOGM for our "Application to Revise a Notice of Intention to Commence Small Mining Operations." This letter and the enclosures also are our reply to your letter of September 7, 2016 and constitute our request for "Release and modification of Cessation Order MC-2016-42-09." We believe we have complied in full with the requests made in your letter.

The additional surety bond amount—see our enclosed "Calculation of Bond Requirement" based on page 5 of DOGM "Surety Cost Estimating for Small Mines and Exploration" directive dated April 11, 2016—will be provided upon approval of our "request to revise" and the necessary approvals by DOGM which will lead to termination of Cessation Order MC-2016-42-09.

Please contact me at the above address or telephone number or at <xyzmining@hotmail.com> should you require additional information, or action on our part.

Yours Truly

SPENST HANSEN, MANAGER



Northstar Mines LLC

Surface disturbance highlited in red will be Location of revised small Mine operation. Black Jack Clay Mine Operations Map

reclaimed prior to mining.

8.97 Acre small mine permit area

Original 5 Acre permit area

Areas regraded and seeded

Application to Revise a Notice of Intention to Commence Small Mining Operations or Exploration

	me: Blackjad	k Clay M	ine l	ile Number: E or	S/S/0230106
naps ar		are to be add			esult of this change. Individually list al . Include page, section and drawing
uniber	s as part of the de		ED SCHEDULE OF C	HANGES TO THE	NOTICE
			Description of map,	text, or materials to	be changed
ADD	REPLACE	REMOVE	Page 5 section 8	3 Change 4.97	6) acres to 8.97 acres
ADD	REPLACE	REMOVE	Page 9 Replace	Operations m	ap with updated areas
ADD	REPLACE	REMOVE			
ADD	REPLACE	REMOVE			
ADD	REPLACE	REMOVE			
ADD	REPLACE	REMOVE			
ADD	REPLACE	REMOVE			
ADD	REPLACE	REMOVE			
ADD	REPLACE	REMOVE			
pplicati		rrect to the b s and obliga	est of my information a tions, herein.	nd belief in all resp	mation contained in this pects with the laws of Utah in the laws o

SEPTEMBER 16, 2016 CALCULATION OF BOND REQUIREMENTS FOR NORTHSTAR MINES LLC (BLACKJACK CLAY MINE— S/023/0106)

3/27/2008 January Dump---Cash Deposit \$5,900.00

3/12/2009 Blackjack 5 acre mine—Cash Deposit \$24,000.00

5/19/2011 Additional cash deposit January Dump—\$1,600.00

6/30/2014 Last available combined bank bond statement--\$31,839.20 (\$339.20 added as interest)

SUMMARY TO DATE.

January Dump—\$2,000.00--Still retained.

Blackjack Clay Mine--\$29,839.20—Current amount on deposit).

Totals of First Deposit--\$24,000.00, Interest of \$339.20, plus \$5,500.00 transferred from January Dump deposit.

BOND REQUIRED FOR BLACKJACK MINE (9 ACRES-SEE ATTACHED MAP)

From page 5, DOGM Surety Cost Estimating--5 year escalation for 6 acres—see attached. (mob/demob does not apply)—\$36,900,00.

Additional bond to increase area from 6 to 9 acres (3 x \$5,700 per acre)-\$17,100.00.

REQUIRED BOND TOTAL--\$54,000.00

CREDITS—Amount already on deposit for blackjack mine--\$29,839.20

TOTAL AMOUNT STILL DUE ----\$24,160.80

THIIS AMOUNT WILL BE FORWARDED TO DOGM UPON
APPROVAL OF APPLICATION TO REVISE SMALL MINE PERMIT

Joenst Hans

Surety Cost Estimating Small Mines and Exploration April 11, 2016 Page 5 of 5

Small Mining Operation over Five to Ten Acres Using an Excavator then Dozer

Project Size (Acres)	Surety 3 & 5 year escalation 2016	Comments
	3 year escalation through March 31, 2019 5 year escalation through March 31, 2021	
6 acres	3-year escalation \$36,200.00	Minimum amount required (3-year escalation) \$36,200.00 3 year mod/demob \$6,100.00
	5 year escalation \$36,900.00	5 year escalation \$36,900.00 5 year mod/demob \$6,200.00
Additional acres up to 10 total acres	\$5,600/ acre (3-year escalation) \$5,700/acre (5-year escalation)	Partial acreages rounded up (e.g., 5.2 acres = 6 acres)
Additional mod/demob costs	3 year escalation Mob up to 50 miles one way no additional charge Mob 51 to 100 miles (one way) add \$3,000.00 Mob 101 – 150 miles (one way) add \$6,000.00 Mob 151 – 200 miles (one way) add \$9,100.00 5 year escalation Mob up to 50 miles one way no additional charge Mob 51 to 100 miles (one way) \$3,100.00 Mob 101 – 150 miles (one way) add \$6,000.00 Mob 151 – 200 miles (one way) add \$9,100.00	
Cumulative Amount for 10 acres	3-year escalation \$61,100.00 5-year escalation \$61,700.00	\$600.00 difference between 3 and 5 year escalation amount for 10-acres of disturbance.
Portal	\$2,000.00 each opening	
Shafts	\$3,000.00 each opening	

Form MR-SMO (Revised Merch 13, 2007)

This Section for DOGM Use:	
Assigned DOGN File No.: S DOGM Lead: Permit Fee \$ 13 0	Ck#2850
Letting 1 co & 100	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

1594 West North Temple Suite 1210 Box 145801

Salt Lake City, Utah 84114-5801 Telephone: (801) 538-5291 Fax: (801) 359-3940 RECEIVED

OCT 27 2015

DIV. OF OIL, GAS & MINING

NOTICE OF INTENTION TO COMMENCE SMALL MINING OPERATIONS

The informational requirements of this form are based on provisions of the Mined Land Reclamation Act, Title 40-8, Utah Code Annotated 1987, and the General Rules as promulgated under the Utah Minerals Regulatory Program.

"Small Mining Operations" mining operations which have a disturbed area of five or less surface acres at any time.

ACCEPTED

	Name of Mine: Blackjack Clay Mine DIV. OIL GAS & MINI
	DIV. OIL GAO & WINT
2.	Legal name of entity (or individual) for whom the permit is being requested:
	Northstar Mines LLC
	Mailing Address: 35 Mammoth Main St. P.O. Box 190
	City, State, Zip: Eureka, UTAH 84628
	Phone: 435-433-6612 Fax: 435-433-5512
	E-mail Address: XYZMINING@HOTMAIL.COM
	Type of Business: Corporation () LLC (x) Sole Proprietorship (dba) ()
	Partnership () General or limited
	Or.
	Entity must be registered (and maintain registration) with the State of Utah, Division
	Entity must be registered (and maintain registration) with the State of Utah, Division of Corporations (DOC) www.commerce.utah.gov . Are you currently registered to do business in the State of Utah? State of Utah? State of Utah?
	Entity must be registered (and maintain registration) with the State of Utah, Division of Corporations (DOC) www.commerce.utah.gov . Are you currently registered to do business in the State of Utah? Yes
	Entity must be registered (and maintain registration) with the State of Utah, Division of Corporations (DOC) www.commerce.utah.gov . Are you currently registered to do business in the State of Utah? Entity # 6309613-0160 If no, contact www.commerce.utah.gov to renew or apply.
	Entity must be registered (and maintain registration) with the State of Utah, Division of Corporations (DOC) www.commerce.utah.gov . Are you currently registered to do business in the State of Utah? Entity # 6309613-0160 If no, contact www.commerce.utah.gov to renew or apply.
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	Entity must be registered (and maintain registration) with the State of Utah, Division of Corporations (DOC) www.commerce.utah.gov. Are you currently registered to do business in the State of Utah? Entity # 6309613-0160 If no, contact www.commerce.utah.gov to renew or apply. Local Business License # (if required) Issued by: County or City Contact Person(s)
	individual () Entity must be registered (and maintain registration) with the State of Utah, Division of Corporations (DOC) www.commerce.utah.gov. Are you currently registered to do business in the State of Utah? ■ Yes ■ No Entity # _6309613-0160 If no, contact www.commerce.utah.gov to renew or apply. Local Business License #
	Entity must be registered (and maintain registration) with the State of Utah, Division of Corporations (DOC) www.commerce.utah.gov. Are you currently registered to do business in the State of Utah? Yes No Entity # 6309613-0160 If no, contact www.commerce.utah.gov to renew or apply. Local Business License # (if required) Issued by: County or City Contact Person(s) Name: Spenst Hansen Address: 35 Mammoth Main St. PO Box 190
	Entity must be registered (and maintain registration) with the State of Utah, Division of Corporations (DOC) www.commerce.utah.gov. Are you currently registered to do business in the State of Utah? ■ Yes ■ No Entity # 6309613-0160 If no, contact www.commerce.utah.gov to renew or apply. Local Business License # (if required) Issued by: County or City Contact Person(s) Name: Spenst Hansen Title; Manager Address: 35 Mammoth Main St. PO Box 190 City, State, Zip: Eureka, UT 84628
	individual () Entity must be registered (and maintain registration) with the State of Utah, Division of Corporations (DOC) www.commerce.utah.gov. Are you currently registered to do business in the State of Utah? ■ Yes ■ No Entity # _6309613-0160 If no, contact www.commerce.utah.gov to renew or apply. Local Business License #

FEB 1 8 2009

DIV. OIL GAS & MINING

JAN 2 0 2009 0 0 0 1

DIV OF OIL, GAS & MINING

	Name:1	IIIIe.	
	Address.		
	City, State, Zip: Fax:		
	Phone: Fax:		
	Emergency Weekend or Holiday Phone		
	Emell Address:		
	E-mail Address:		
10	et person to be notified for: permitting () surety	() Notices () (please check all that
ply)			
	Registered Utah Agent (as identified with the Utah	Department of C	Commerce) (if individual
	leave blank):		
	Name:		
	N9015		
	Address:		
	City, State, Zip:		
	Phone: Fax:	and the same of th	
	E-mail Address:		
	If Business is a Sole Proprietor:	Title	ACCEPTED
	Name of Owner:	Inte	APPELLED
	Business Address:		
	City State Zin		
	Phone: Fax:		
	E mail Addrese		
	E-mail Address:		DIV. OIL GAS & MINI
	If Business is a Corporation:	Title	
	Name of Officers:	11UG	
		11454.	The state of the s
		Title:	
		litte:	
	Headquarters Address:		
	City State Zin		
	City, State, Zip: Headquarters Phone:	Fax	
	neadquarters Friorie.		
	E-mail Address:		
	If Business is a Limited Liability Company: Me	mber Managed	Manager Managed
	Name of 1st Member Manager Spenst Hansen Business Address: State, Zip: Eureka, UT 84628 Phone: 435-433-6612 Fax: 435 Example 1 Fax: 435 Example 2 Fax: 435 Example 2 Fax: 435 Example 3 Fax: 435 Exampl	Title Ma	anader
	Name of 1 Memberwanager Operation Main	St. PO Box 190	
	Business Address: 50 Manufactures LLT 84621		
	City, State, Zip:	422 E542	
	Phone 435-433-6612 Fax: 435	1-433-33 [E	
	E-mail Address: xyzmining@hotmail.com		
	Name of 2 nd Member/Manager:		
	Business Address:		
	City, State, Zip:		
	Phone: Fax:		
	I IIVIIV:		
	E-mail Address:		
	sam to a Rankanakina		
	If Business is a Partnership:		
	Name of Partner:	and the second s	
	Business Address:		
	City State, Zip:		
	City, State, Zip: Fax:		
	Phone: Fax.		
	City, State, Zip: Phone: Fax: E-mail Address:	APPRO	

FEB 1 3 2009

	Private (Fee) Public	Domain (BLM) National Forest (USFS)	
	State Trust Land/School 8	Sections State Sovereign Lands	
	Name Northstar Mines LL	C Address 35 Mammoth Main St. P.O. Box 190 Eurek	a, UTAH 84628
	Name	Address	
	Name	Address	
	Name		
	Ownership of Minerals:	AO	CEPTED
•	State Trust Land/School	C Domain (BLM) National Forest (USFS) Sections State Sovereign Lands	11.
	Name Northstar Mines LI	LC Address 35 Mammoth Main St. P.O. Box 190 Ediek	GAS-AHUMUM
	Name	Address	
	Name	Address	
	Name	Address	THE STATE OF THE S
	Utah State Lease Number	N/A ar(s): N/A	
	Name of Lessee(s) N/A		
	Have the above surface	and mineral owners been notified in writing?	
	If no, why not?		
	ne advised that if State Trus	st Lands are involved, notification to the Division of Oi otification requirements of Mineral Leases upon State rate Trust Lands requires a minimum of 60 days notice that Trust Lands requires Please contact the School Ins	l, Gas and Trust Lands. to the Trust
at	tion or mining activity on St. Idministration prior to coministration (SITLA) at (8	101) 538-5508 for notification requirements.	titutional Trust
at	doministration prior to coming activity on St. dministration prior to coming deministration (SITLA) at (8) Does the Entity have le	egal right to enter and conduct mining operations on	titutional Trust
at	tion or mining activity on St. Idministration prior to coministration (SITLA) at (8	egal right to enter and conduct mining operations on	titutional Trust

DIV OIL GAS & M.

Page :

II.	PROJECT LOCATION & MAP (Rule R647-3-105)
1.	Project Location (legal description):
	County(ies):
	SE 1/4, of NW 1/4, of SW 1/4: Section: 30 Township: 10S Range: 2W SW 1/4, of NE 1/4, of SW 1/4: Section: 30 Township: 10S Range: 2W NW 1/4, of NE 1/4, of SW 1/4: Section: 30 Township: 10S Range: 2W NE 1/4, of NE 1/4, of SW 1/4: Section: 30 Township: 10S Range: 2W UTM East (if known) UTM North (If known
	Name of Quad Map for Location; Eureka
2.	Location and Operations maps must be plotted at a scale to accurately identify locational landmarks and operations details. All maps must include a north arrow, scale, appropriate labels, and title box including the mine name, township, range and section. a. The general location map must be the scale of a USGS 7.5 minute series map or equivalent (1"=2000') and identify new or existing access roads. b. The operations map (1"=200' or other scale as determined necessary by the Division) must be labeled and identify: i. The area to be disturbed; ii. The location of any existing or proposed operations including access roads, drill holes, trenches, pits, shafts, cuts, or other planned activities; and iii. Any adjacent previous disturbance for which the operator is not responsible. (Contact the Division for a list of consultants and land surveyors for mapping assistance.)
3.	The proposed (5 acre or less) disturbed area (including access/haul roads) should be marked in the field ON THE GROUND with metal T-Posts (or with some other marker of equal effectiveness). Markers should be appropriately spaced so that the next marker in either direction is clearly visible with the naked eye.
III.	OPERATION PLAN (Rule R647-3-106)
1.	Type of mining: Surface • Underground •
2.	Mineral(s) to be mined: Halloysite Clay
3.	Amount of material to be extracted, moved, or proposed to be moved: 10,000 tons
4.	Will any water, liquid chemicals, reagents, or other solutions be used, produced or discharged as part of the mining or milling process? Yes No Absolutely not
5.	Provide a brief description of the proposed mining operation and onsite processing facilities (add extra pages if necessary).
X	Open pit mining with buildozer and track hoe. Loading trucks for transport.
	APPROVED
	FEB 1 0 2009

6.	New Road(s): Length N/A (ft) Width N/A (ft)
7. existing improve	■ Improved Road(s): Provide a description of the improvements that need to be made to roads to access the site, including the LengthN/A (ft) and WidthN/A (ft) of ments.
8.	Total project surface acreage to be disturbed: 8.97 (acres) PLEASE SPECIFY EXACT ACREAGE - (this will be used to determine surety bond amount - see #VI).
9.	Proposed startup date (month, year) March, 2009
10.	Proposed completion date, if known (month, year)

IV. OPERATION AND RECLAMATION PRACTICES (Rule R647-3-107, 108 & 109)

The reclamation and operation obligation is to keep the area clean and safe, minimize hazards to public safety, return the land to a useful condition, and reestablish at least 70 percent of the premining vegetative ground cover. To accomplish this, the Permittee / Operator will need to perform reclamation concurrently, or at the completion (within one (1) year) of mining. Please refer to The Practical Guide to Reclamation in Utah, available at www.ogm.utah.gov.

- 1. Keep the mining operation in a safe, clean, and environmentally stable condition.
- 2. Permanently seal all shafts and tunnels to prevent unauthorized or accidental entry.
- Plug drill holes with a five foot coment surface plug. Holes that encounter fluids are to be plugged in the subsurface to prevent aquifer contamination.
- 4. Construct berms, fences, or barriers, when needed, above highwalls and excavations.
- Remove, isolate, or neutralize all toxic materials in a manner compatible with federal and state regulations.
- 6. Remove all waste or debris from stream channels.
- 7. Dispose of any trash, scrap metal, wood, machinery, and buildings.
- 8. Conduct mining activities so as to minimize erosion and control sediment.
- Reclaim all roads that are not part of a permanent transportation system.
- 10. Stockpile topsoil and suitable overburden prior to mining.
- Stabilize highwalls by backfilling or rounding to 45 degrees or less, where feasible; reshape the land to near its original contour, and redistribute the topsoil and suitable overburden.
- 12. Properly prepare seedbed to a depth of six inches by pocking, ripping, discing, or harrowing. Leave the surface rough.
- Reseed disturbed areas with adaptable species. (The Division recommends a mixture of species of grass, forb, and browse seed, and will provide a specific species list if requested.)
- 14. Plant the seed with a rangeland or farm drill, or broadcast the seed. Fall is the preferred time to seed.

VARIANCE REQUEST (Rule R647-3-110) Any variance request must be approved in writing by the Division Any planned deviations from Rules R647-3-107, Operation Practices, R647-3-108, Hole Plugging Requirements, or R647-3-109, Reclamation Practices, as summarized above (see IV. Operation and Reclamation Practices Item # 1-14), should be identified below listing applicable rule number. Give justification for the variance(s) and alternate methods or measure to be utilized. Written approval from the Division will be given, if the proposed alternative methods to be used are consistent with the Act. Are variances being requested? Yes ... No a 1st Variance Requested Applicable Rule # (i.e. R647-3-109.10 (if you did not want trenches & pits reclaimed) Justification: Alternate methods or measure to be utilized: 2nd Variance Requested Applicable Rule # Item # Justification; Alternate methods or measure to be utilized: 3rd Variance Requested Applicable Rule # Item # Justification: . Alternate methods or measure to be utilized: Attach additional page if more variances are requested. SURETY (Utah Code Ann. §40-8-7(1)[c]) VI. A reclamation contract and surety must be provided to and approved by the Division prior to commencement of operations. All mining operations are required to furnish and maintain reclamation surety to guarantee that the land affected is reclaimed (Utah Code Ann. §40-8-7(1)[c]). The reclamation surety amount is based on the nature, extent and duration of operations. The amounts are based on data from current large mine surety and are used as a general guide, along with actual site conditions. Reclamation surety for small mines is reviewed every three (3) or five (5) years and adjusted as necessary for inflation/deflation based upon acceptable Costs Index. Contact the Division for the dollar amount required for a three (3) or five (5) year period for this project. I have provided or will provide surety in the form of: Please identify) ____ undecided ■ Certificate of Deposit Letter of Credit Other Form MR-SMO FEB 1 3 2009 Page 6

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VII. PERMIT FEE (Utah Cod Line 14044)(1)

A permittee's authorization under a notice of intention to conduct small mining operations shall require the paying of permit fees as authorized by the Utah Legislature (R647-3-102.5). Permit fees are assessed to new and existing small mining operations, and annually thereafter, until the project disturbances are successfully reclaimed by the Permittee / Operator and released by the Division.

Small Mine Notices require a \$150.00 fee, which must accompany this application, or the Division cannot process it.

VIII. SIGNATURE REQUIREMENT

(Please check the box if applicable and place your initials on the line provided)

I have enclosed the required permit fee.

I have enclosed/requested a Reclamation Contract (Form MR-RC) and the appropriate reclamation surety amount or have made arrangements as to when the surety will be furnished.

I understand that I am not authorized to create any surface disturbance until the surety amount is posted and approved in writing from the Division of Oil. Gas and Mining and any other authorized regulatory agency.

CERTIFICATION

state under penalty of perjury under the laws of the state of Utah and the United States of America that:

 I have read this form and declare the information, statements and/or documentation are true, correct and complete to the best of my knowledge and belief; AND

b. I commit to the reclamation of the aforementioned small mining project as required by the Utah Mined Land Reclamation Act (40-8) and the rules as specified by the Board of Oil, Gas and Mining.

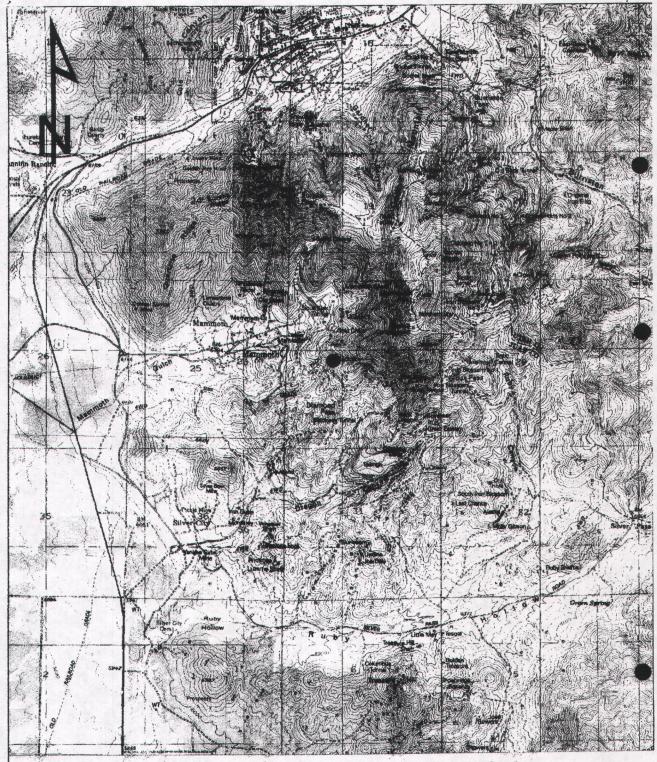
c. This certification must be signed by: (1.) an executive officer if the applicant is a corporation; (2.) a partner if applicant is a partnership (general or limited); (3.) the owner if applicant is a sole proprietorship; or (4.) the member or manager if applicant is a limited liability company.

Signature: Date: 20, 2009

Name (types or printed): SPENST HANSEN, for Northstar Mines LLC

Title/Position (if applicable): Manager

P:/GROUPS/MINERALS/WP/FORMS/Notices/Finefismo-03132007.doc



NORTHSTAR CLAY MINES, INC.

35 MAMMOTH MAIN STREET P.O. BOX 190 EUREKA, UTAH 84628

RECEIVED

JAN 2 0 2009

DIV. OF OIL, GAS & MINING

GENERAL LOCATION MAP

Blackjack 5 acre, small mine operation -Data taken from USGS 7.5 min maps.

APPROVED

1 inch = 2,000 feet

0 1,0002,000

4,000

6,000

8,000

10,000

Feet



State of Utah DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER

Executive Director

Division of Oil, Gas and Mining JOHN R. BAZA Division Director

January 26, 2015

Spenst Hansen
Northstar Clay Mines, Inc.
33 Mammoth Main Street
P. Q. Box 190
Eureka, Utah 84628

Subject: Approval of Release Request and Reassignment of Surety, Northstar Clay Mines, Inc.,

January Mine Dump and Blackjack Mines, S/023/0100, S0230106, Juab County, Utah

Dear Mr. Hansen:

The Division of Oil, Gas and Mining approves your request received January 2, 2015, to release \$5500.00 of the reclamation surety being held for the January Mine Dump mine (\$/023/0100) and apply this money toward the surety for the Blackjack mine (\$/023/0106). This action reduces the reclamation surety being held for the January Mine Dump from \$7500.00 to \$5500.00 and increases the amount being held for the Blackjack mine to \$29,500.00.

By letter dated July 7, 2014, the Division required that the surety for the Blackjack mine be increased to a minimum of \$29,400.00. By transferring the assignment of this surety, the requirement to increase the surety for the Blackjack mine is fulfilled.

Enclosed with this letter are forms for amending the reclamation contracts for these two mines. Please sign these forms and return them to the Division.

Thank you for your cooperation. Please contact me at 801-538-5261 or Penny Berry at 801-538-5291 if you have questions about this letter.

Paul B. Baker

Minerals Program Manager

PBB:whw:pb
P:\GROUPS\MINERALS\WP\M023-Juab\S0230100-JanuaryMineDump\final\funds transfer-01222015.doc





Northstar Mines LLC

BACKJACK CLAY MINE OPERATIONS MAP

Location of small mine operation Clay ore is being open pit mined for portland cement ingredients.

After the operations are complete, the land will be reclaimed

SW 1/4 of Section 30, T10S, R2W, SLIM

Northstar Mine Area 5 Acres

Add'l Disturbance
1 Acre

FORM MR-AR-SMO (Revised 11/2014)

UTAH DEPARTMENT OF NATURAL RESOURCES - DIVISION OF OIL, GAS AND MINING 1594 West North Temple - Suite 1210, Salt Lake City UT 84116 (Delivery service) Box 145801, Salt Lake City UT 84114-5801 (US Postal service)

Telephone: (801) 538-5342

SMALL MINING OPERATIONS PROGRESS REPORT January 1, 2014 to December 31, 2014

The information required in this form are based on provisions of the Mined Land Reclamation Act, Title 40-8, and the R647 rules as under the Utah Minerals Regulatory Program. The report is due January 31 each year.

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